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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER *634-5131*

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MAY 30, 1964

TYPHOID FEVER

A total of 11 cases of typhoid fever was reported for the week ended May 30. This brings the cumulative total to 155 thus far in 1964. In 1963, when the fewest cases of this disease occurred since reporting began, 149 cases were reported for the comparable period.

This week's cases were reported from 8 States. Rhode Island, Ohio, and Indiana reported 2 cases each, single cases were reported by New York City, Illinois, North Carolina, Arkansas, and Louisiana.

A table of typhoid cases (preliminary totals) reported through the 22nd week of each of the past 10 years appears right.

1955	564	1960	225
1956	645	1961	226
1957	441	1962	193
1958	320	1963	149
1959	231	1964	155

None of the cases this week are known to be associated with the epidemic of typhoid fever in Aberdeen, Scotland, which has totaled 160 confirmed cases (see International Notes – Quarantine Measures, page 187).

Phage type 34 is identified in the Aberdeen epidemic; this is a very rare phage type and should act as a good marker for identification of contact cases, according to Dr. Philip R. Edwards, Chief, Bacteriology Section, Laboratory Branch, CDC.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	22nd Week Ended			Cumulative, First 22 Weeks		
	May 30, 1964	June 1, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	42	26	---	630	491	---
Brucellosis	1	9	10	161	145	235
Diphtheria	9	1	5	113	115	287
Encephalitis, primary infectious	39	20	---	760	625	---
Encephalitis, post-infectious	34		---	402		---
Hepatitis, infectious including serum hepatitis	650	630	633	18,987	21,001	21,001
Measles	24,569	13,196	15,331	365,988	292,640	308,401
Meningococcal infections	37	44	35	1,286	1,281	1,172
Poliomyelitis, Total	1	3	19	32	57	185
Paralytic	1	1	14	25	49	127
Nonparalytic	-	-	---	6	2	---
Unspecified	-	2	---	1	6	---
Streptococcal Sore Throat and Scarlet fever	6,782	5,522	---	226,606	195,623	---
Tetanus	6	3	---	89	85	---
Tularemia	12	6	---	109	87	---
Typhoid fever	11	3	9	155	149	226
Rabies in Animals	80	67	67	2,025	1,733	1,731

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis:	14
Botulism:	9	Rabies in Man:	-
Leptospirosis:	10	Smallpox:	-
Malaria: NJ - 1, NY Up-State - 1	37	Typhus-	
Plague:	-	Murine: NC - 1	5
		Rky Mt. Spotted: NJ-1, Md-1, Colo-1, Va-1, Tenn-1, Okla-1	28

TUBERCULOSIS - 1963 Provisional Total

A provisional total of 53,313 new active* cases of tuberculosis was reported in the United States for 1963. A graph of the new active cases of tuberculosis since 1953, including the 1963 provisional total, appears above.

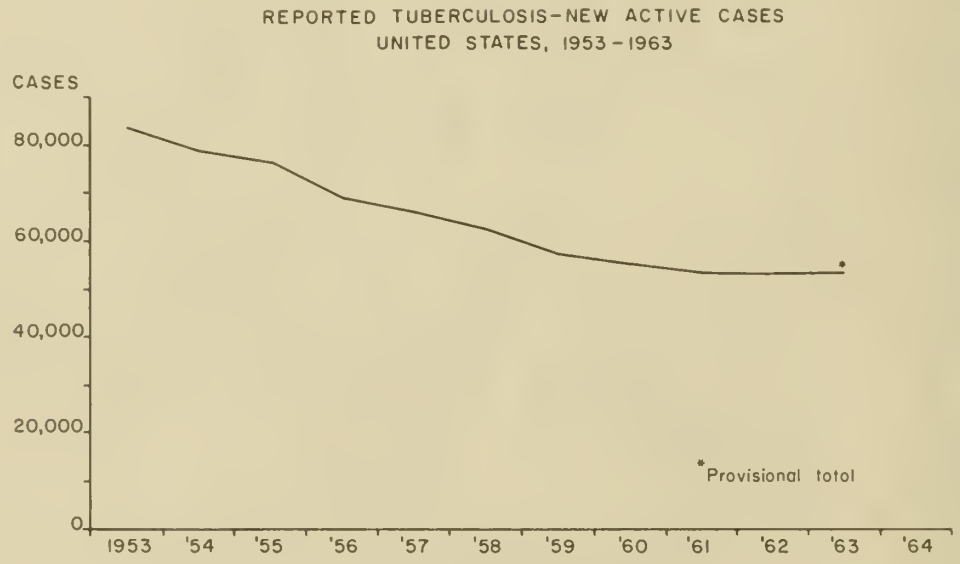
Since provisional totals for a year are usually higher than the final total for that same year, it appears that there will be a small decline in the final total for 1963 as compared with that of 1962.

*Active cases include:

1) Diagnosed cases with tubercle bacilli demonstrated.(Includes all forms:pulmonary and extra-pulmonary).

2) Diagnosed cases without tubercle bacilli demonstrated but where there is X-ray or histological evidence consistent with active tuberculosis. (Includes all forms: pulmonary and extra-pulmonary).

3) Unexplained pleurisy with effusion.



EPIDEMIOLOGICAL REPORTS

MALARIA – Pennsylvania

A case of *Plasmodium falciparum* malaria, diagnosed in a seaman who had arrived in Philadelphia from Africa, has been reported from Pennsylvania.

An 18-year-old Belgian seaman aboard the *S. S. Lulua* complained only of fever for 2 days when his ship docked at Philadelphia on October 24. He denied other symptoms. On physical examination, the attending physician noted a questionably enlarged spleen.

Because of the patient's fever, employment, and itinerary, his attending physician suspected malaria. The patient was hospitalized; a smear was read as positive for malaria at the hospital laboratory. It has since been confirmed as *P. falciparum* at CDC National Malaria Respository.

The seaman was treated with quinine and Chloroquine phosphate. His fever remitted in 2 days. He rejoined his ship in New York on October 29.

The S. S. *Lulua*, a freighter of the Belgian Lines, arrived in Matadi, Republic of Congo, on September 20 and departed on September 26 for Luanda, Angola. She arrived there September 27 and departed October 2. The *S. S. Lulua* arrived in New York City on October 16, leaving October 23 for Philadelphia, where she stayed in port on the 24th. After making additional stops at Baltimore, Newport News, and New York City, the ship sailed for Antwerp, Belgium, on November 2. Aboard the ship were 45 officers and men. No other clinical illness was known to exist aboard the ship during the trip.

(Reported by Dr. S. M. Fish, Chief, Communicable Disease Control, Philadelphia Department of Public Health, and Dr. W. D. Sebrack, Jr., Director, Division of Communicable Disease Control, Pennsylvania State Department of Health).

Editor's Note. This is the second recent outbreak of malaria occurring in seamen sailing from African ports for the United States. The first outbreak involved 6 symtomatic and 3 asymptomatic cases aboard the M V Ranborg (See MMWR, Vol. 12, p. 365).

This patient is believed to have acquired his illness in Luanda. No blood smears were taken of the other crew members aboard the S. S. *Lulua*.

SALMONELLOSIS – Illinois

Within 2 days after a Chicago family of 3 provided a home for Tobias, a stray Basset hound, all 3 experienced diarrhea and abdominal cramps. *Salmonella infantis* was isolated from stool samples from each of the patients. The same organism was cultured from the dog, which had experienced diarrhea at the time it was found.

Epidemiologic investigation revealed that another family of 3, residing down the hall of the same apartment house from Tobias' master, all experienced symptoms of gastroenteritis within 48 hours of first contact with the dog. Stool specimens from all 3 revealed *S. infantis*.

A teen-ager, who frequently baby-sat for the first family, also experienced diarrhea and abdominal cramps; her stool culture was positive for *S. infantis*.

(Reported by Samuel L. Andelman, M.D., M.P.H., Commissioner of Health; and O. Brolnitsky, M.D. and H. L. Slutsky, Ph.D., Epidemiologists, City of Chicago Board of Health).

INTERNATIONAL NOTES - QUARANTINE MEASURES

TYPHOID FEVER – United Kingdom

An epidemic of typhoid fever involving 160 confirmed and 49 suspect cases has occurred in Aberdeen, Scotland through May 31. Secondary cases are reported in individuals who had direct contact with the first group of cases. First reports of the epidemic were received by the Division of Foreign Quarantine on May 25, when 48 cases were confirmed.

Two cases have occurred in Dundee; both individuals became infected in Aberdeen. Thus far, all others have occurred in Aberdeen residents.

Phage type 34 is identified in the confirmed cases. This is an extremely rare phage type.

A meat product canned in South America is suspect. One possibility under investigation is that a meat slicing machine became contaminated by this product; in turn, other cold meats might have been contaminated. Remaining cans from the shipment are being removed from sale.

Aberdeen has closed schools until further notice. All persons not having urgent business in Aberdeen are asked to delay their travel there.

(Reported by Dr. Joe L. Stockard, Assistant Chief for Epidemiology and Immunization, Division of Foreign Quarantine, U. S. Public Health Service, Washington, D. C.)

POLIOMYELITIS – Chile

A total of 228 cases of poliomyelitis was reported in Chile this year through May 2. Santiago Province reported 140 cases, Valparaiso Province 15 cases, and O'Higgins and Valdivia Provinces 9 cases each. The remaining 55 cases occurred in 12 other Provinces. An earlier report of this epidemic appeared in MMWR, Vol. 13, p. 132.

The outbreak of poliomyelitis in the Province of Santiago, which began in the middle of January, 1964, reached its highest incidence during February and the first half of March. The weekly numbers of cases by date of hospitalization show a maximum of 18 cases in each of the weeks which ended February 15, February 22 and March 14, and a gradual decline during subsequent weeks. Smaller outbreaks continued to occur in northern and southern regions of the country during April.

Of the 140 cases reported in Santiago Province through May 2, the ages are known for 121 as shown below. The cases have been concentrated in the preschool age group with 95 percent under 5 years-of-age. In fact, 80 percent of the cases occurred in children under 3 years-of-age.

AGE	CASES	% OF TOTAL
Under 6 mos.	9	7
6-11 mos.	27	22
1	36	30
2	25	21
3	12	10
4	6	5
5	3	2
6	2	2
7+	1	1
	121	100

Trivalent oral polio vaccine was administered in Santiago Province during February and March. A total of 140,952 children under the age of 5 were given a first dose; 29,222 received the second dose, and 18,163 were revaccinated. A total of 17,211 doses were administered to persons over the age of 5. The second stage of the campaign began April 20.

The age distribution is very similar to the Santiago Province epidemic in late 1961, when 80 percent of the cases also were under 3 years-of-age. In that epidemic, approximately 480 cases were reported during the last 13 weeks of 1961. In December, 1961, there were 404,263 children between 3 months and 7 years-of-age vaccinated in a mass oral polio immunization program in Santiago Province with Type 1 (97 percent of the estimated population in this age group).

(Reported in the Weekly Epidemiological Report, Pan American Sanitary Bureau, World Health Organization, Vol. 36, Nos. 20 and 21, May 13 and 20, 1964.)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 30 , 1964 AND - JUNE 1 , 1963 (22nd WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	42	26	39	34	1	3	32	57	1	1	25	49
NEW ENGLAND.....	-	-	3	-	-	-	-	1	-	-	-	1
Maine.....	-	-	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	1	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	1	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	1	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	5	2	14	3	-	2	5	7	-	-	5	5
New York City.....	2	-	2	-	-	-	1	-	-	-	1	-
New York, Up-State.	2	2	1	2	-	-	2	4	-	-	2	4
New Jersey.....	1	-	9	-	-	-	2	-	-	-	2	-
Pennsylvania.....	-	-	2	1	-	2	-	3	-	-	-	1
EAST NORTH CENTRAL...	3	3	2	6	-	-	3	15	-	-	3	12
Ohio.....	-	1	1	-	-	-	2	4	-	-	2	3
Indiana.....	-	-	1	-	-	-	-	1	-	-	-	-
Illinois.....	1	1	-	5	-	-	1	6	-	-	1	5
Michigan.....	2	1	-	1	-	-	-	3	-	-	-	3
Wisconsin.....	-	-	-	-	-	-	-	1	-	-	-	1
WEST NORTH CENTRAL...	1	2	1	-	-	-	1	1	-	-	-	1
Minnesota.....	1	2	1	-	-	-	-	1	-	-	-	1
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	1	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	4	4	5	1	-	-	14	6	-	-	11	5
Delaware.....	-	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	1	-	-	-	1	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	2	-	-	1	-	-	-	1	-	-	-	1
West Virginia.....	-	-	-	-	-	-	1	-	-	-	1	-
North Carolina.....	-	-	1	-	-	-	5	2	-	-	2	2
South Carolina.....	1	-	-	-	-	-	2	-	-	-	2	-
Georgia.....	-	-	1	-	-	-	1	1	-	-	1	-
Florida.....	1	3	3	-	-	-	4	2	-	-	4	2
EAST SOUTH CENTRAL...	10	1	7	1	-	-	3	3	-	-	1	2
Kentucky.....	6	-	2	-	-	-	-	-	-	-	-	-
Tennessee.....	3	-	-	1	-	-	1	1	-	-	-	1
Alabama.....	-	1	-	-	-	-	2	2	-	-	1	1
Mississippi.....	1	-	5	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	-	3	-	-	1	1	2	13	1	1	2	13
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	1	-	11	-	1	-	11
Oklahoma.....	-	-	-	-	1	-	1	-	1	-	1	-
Texas.....	-	3	-	-	-	-	1	2	-	-	1	2
MOUNTAIN.....	2	-	3	-	-	-	3	1	-	-	2	1
Montana.....	-	-	2	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	1	-	-	-	1	-
Colorado.....	1	-	1	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	1	-	-	-	-	-	-	-	-	-	-	-
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	17	11	4	23	-	-	1	10	-	-	1	9
Washington.....	4	-	-	4	-	-	-	1	-	-	-	1
Oregon.....	-	-	-	4	-	-	1	1	-	-	1	1
California.....	12	11	4	15	-	-	-	8	-	-	-	7
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	1	-	4	-	1	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MAY 30 , 1964 AND JUNE 1 , 1963 (22nd WEEK) - Continued

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	1	161	9	113	650	305	287	58	18,987	21,001	11	155
NEW ENGLAND.....	-	2	5	26	48	24	19	5	1,957	2,354	2	10
Maine.....	-	-	5	23	18	11	6	1	670	1,091	-	-
New Hampshire.....	-	-	-	-	4	-	3	1	140	164	-	-
Vermont.....	-	-	-	-	10	5	3	2	248	30	-	-
Massachusetts.....	-	2	-	3	14	8	5	1	386	695	-	5
Rhode Island.....	-	-	-	-	-	-	-	-	105	55	2	5
Connecticut.....	-	-	-	-	2	-	2	-	408	319	-	-
MIDDLE ATLANTIC.....	-	3	1	5	157	69	88	-	4,302	4,032	1	25
New York City.....	-	-	-	1	23	2	21	-	618	539	1	11
New York, Up-State.	-	1	-	-	67	36	31	-	1,908	1,800	-	4
New Jersey.....	-	-	-	2	29	10	19	-	794	612	-	1
Pennsylvania.....	-	2	1	2	38	21	17	-	982	1,081	-	9
EAST NORTH CENTRAL...	-	19	-	6	115	58	50	7	2,896	3,359	5	35
Ohio.....	-	1	-	-	30	17	13	-	758	965	2	19
Indiana.....	-	1	-	-	12	10	2	-	250	324	2	7
Illinois.....	-	12	-	6	27	12	14	1	489	719	1	5
Michigan.....	-	2	-	-	39	19	20	-	1,188	1,190	-	3
Wisconsin.....	-	3	-	-	7	-	1	6	211	161	-	1
WEST NORTH CENTRAL...	1	78	1	19	25	14	7	4	1,067	967	-	12
Minnesota.....	-	2	1	11	3	1	2	-	94	162	-	-
Iowa.....	1	46	-	-	5	2	3	-	161	165	-	3
Missouri.....	-	4	-	-	1	1	-	-	260	382	-	5
North Dakota.....	-	2	-	-	1	1	-	-	42	28	-	-
South Dakota.....	-	12	-	1	2	1	1	-	104	48	-	1
Nebraska.....	-	10	-	-	2	-	1	1	24	72	-	-
Kansas.....	-	2	-	7	11	8	-	3	382	110	-	3
SOUTH ATLANTIC.....	-	15	1	23	55	30	19	6	1,819	2,226	1	31
Delaware.....	-	-	-	-	-	-	-	-	40	29	-	-
Maryland.....	-	-	-	-	7	4	3	-	348	254	-	1
Dist. of Columbia..	-	-	-	-	1	1	-	-	30	66	-	-
Virginia.....	-	6	-	-	6	2	3	1	268	483	-	7
West Virginia.....	-	-	-	-	8	6	2	-	304	360	-	-
North Carolina.....	-	1	-	-	5	4	1	-	334	575	1	11
South Carolina.....	-	-	1	4	4	-	1	3	65	84	-	3
Georgia.....	-	6	-	17	1	1	-	-	41	89	-	1
Florida.....	-	2	-	2	23	12	9	2	389	286	-	8
EAST SOUTH CENTRAL...	-	8	1	5	41	25	16	-	1,303	2,211	-	19
Kentucky.....	-	3	-	-	13	10	3	-	549	637	-	6
Tennessee.....	-	1	-	1	13	8	5	-	457	889	-	7
Alabama.....	-	3	-	2	12	5	7	-	185	328	-	5
Mississippi.....	-	1	1	2	3	2	1	-	112	357	-	1
WEST SOUTH CENTRAL...	-	12	-	16	47	30	15	2	1,376	1,384	2	12
Arkansas.....	-	3	-	-	3	3	-	-	153	160	1	6
Louisiana.....	-	1	-	5	11	8	3	-	300	254	1	2
Oklahoma.....	-	1	-	-	2	2	-	-	77	72	-	3
Texas.....	-	7	-	11	31	17	12	2	846	898	-	1
MOUNTAIN.....	-	13	-	1	41	3	5	33	1,223	1,412	-	1
Montana.....	-	-	-	-	1	-	-	1	112	202	-	-
Idaho.....	-	-	-	-	16	-	-	16	127	219	-	-
Wyoming.....	-	-	-	-	-	-	-	-	38	21	-	-
Colorado.....	-	-	-	-	3	-	-	3	353	299	-	-
New Mexico.....	-	1	-	1	4	2	2	-	175	170	-	-
Arizona.....	-	1	-	-	13	-	-	13	271	323	-	1
Utah.....	-	10	-	-	3	-	3	-	110	168	-	-
Nevada.....	-	1	-	-	1	1	-	-	37	10	-	-
PACIFIC.....	-	11	-	12	121	52	68	1	3,044	3,056	-	10
Washington.....	-	-	-	11	10	5	5	-	334	516	-	1
Oregon.....	-	1	-	-	19	9	10	-	343	409	-	-
California.....	-	10	-	1	91	38	53	-	2,219	2,050	-	9
Alaska.....	-	-	-	-	1	-	-	1	90	63	-	-
Hawaii.....	-	-	-	-	-	-	-	-	58	18	-	-
Puerto Rico	-	-	-	3	7	7	-	-	327	309	-	7

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES

FOR WEEKS ENDED

MAY 30 , 1964 AND JUNE 1 , 1963 (22nd WEEK) - Continued

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	24,569	37	1,286	1,281	6,782	5,522	6	89	12	109	80	2,025
NEW ENGLAND.....	558	-	37	79	982	649	-	1	-	-	-	12
Maine.....	154	-	5	13	103	108	-	-	-	-	-	10
New Hampshire.....	7	-	-	2	1	14	-	-	-	-	-	1
Vermont.....	40	-	1	2	18	8	-	-	-	-	-	1
Massachusetts.....	162	-	16	37	88	123	-	1	-	-	-	-
Rhode Island.....	93	-	2	7	89	42	-	-	-	-	-	-
Connecticut.....	102	-	13	18	683	354	-	-	-	-	-	-
MIDDLE ATLANTIC.....	2,211	2	121	176	464	456	1	5	-	-	3	47
New York City.....	516	1	21	23	23	21	-	-	-	-	-	-
New York, Up-State.	682	1	45	53	322	250	-	1	-	-	3	45
New Jersey.....	454	-	14	26	49	66	1	3	-	-	-	-
Pennsylvania.....	559	-	41	74	70	119	-	1	-	-	-	2
EAST NORTH CENTRAL...	5,245	3	195	209	927	667	1	8	1	10	18	269
Ohio.....	1,111	1	56	59	132	48	1	2	-	1	10	142
Indiana.....	932	-	32	24	124	89	-	1	1	1	1	13
Illinois.....	693	2	43	34	140	72	-	4	-	6	3	64
Michigan.....	1,570	-	46	66	350	235	-	1	-	1	3	23
Wisconsin.....	939	-	18	26	181	223	-	-	-	1	1	27
WEST NORTH CENTRAL...	5,492	3	77	75	192	192	2	5	-	24	25	639
Minnesota.....	-	-	14	13	20	13	-	-	-	1	6	194
Iowa.....	5,251	-	3	4	48	52	1	2	-	1	16	220
Missouri.....	9	-	42	27	4	4	-	2	-	14	2	106
North Dakota.....	232	2	8	3	113	86	-	-	-	-	-	35
South Dakota.....	-	-	-	4	7	13	1	1	-	-	1	55
Nebraska.....	-	1	5	19	-	-	-	-	-	-	-	16
Kansas.....	NN	-	5	5	-	24	-	-	-	8	-	13
SOUTH ATLANTIC.....	1,554	11	289	239	657	391	1	37	-	17	4	283
Delaware.....	8	-	4	2	1	4	-	-	-	-	-	-
Maryland.....	59	1	21	37	69	50	-	2	-	-	-	-
Dist. of Columbia..	5	-	9	4	1	2	-	-	-	-	-	-
Virginia.....	731	-	33	57	196	118	-	5	-	3	1	176
West Virginia.....	371	-	20	13	210	123	-	1	-	-	-	18
North Carolina.....	10	2	48	39	6	16	1	11	-	4	-	3
South Carolina.....	122	3	46	13	46	11	-	3	-	-	-	-
Georgia.....	7	-	27	12	9	3	-	1	-	10	2	48
Florida.....	241	5	81	62	119	64	-	14	-	-	1	38
EAST SOUTH CENTRAL...	2,943	2	125	101	919	774	-	11	-	16	5	283
Kentucky.....	91	1	43	22	17	8	-	1	-	1	-	38
Tennessee.....	964	1	43	45	864	725	-	5	-	11	5	232
Alabama.....	1,798	-	22	18	2	19	-	4	-	3	-	13
Mississippi.....	90	-	17	16	36	22	-	1	-	1	-	-
WEST SOUTH CENTRAL...	2,420	3	121	135	376	559	-	10	6	28	10	299
Arkansas.....	37	1	13	8	9	-	-	2	4	13	1	77
Louisiana.....	-	2	87	55	9	15	-	3	-	-	-	29
Oklahoma.....	58	-	4	27	27	-	-	-	2	14	1	43
Texas.....	2,325	-	17	45	331	544	-	5	-	1	8	150
MOUNTAIN.....	733	1	48	42	939	942	-	2	5	14	3	79
Montana.....	121	-	-	3	60	14	-	-	4	6	-	-
Idaho.....	79	-	1	3	99	79	-	-	-	-	-	-
Wyoming.....	4	-	3	1	-	22	-	1	-	4	-	-
Colorado.....	98	-	10	11	297	331	-	-	-	-	2	4
New Mexico.....	3	-	20	3	182	281	-	1	-	-	-	38
Arizona.....	252	-	3	7	118	104	-	-	-	-	1	37
Utah.....	176	1	4	11	183	111	-	-	1	4	-	-
Nevada.....	-	-	7	3	-	-	-	-	-	-	-	-
PACIFIC.....	3,413	12	273	225	1,326	892	1	10	-	-	12	114
Washington.....	1,089	2	21	16	408	248	-	1	-	-	-	-
Oregon.....	445	1	17	13	19	13	-	-	-	-	-	1
California.....	1,849	9	222	186	832	530	1	9	-	-	12	113
Alaska.....	14	-	6	5	37	-	-	-	-	-	-	-
Hawaii.....	16	-	7	5	30	101	-	-	-	-	-	-
Puerto Rico	247	1	17	4	18	13	-	31	-	-	-	9

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	5/9	5/16	5/23	5/30
NEW ENGLAND:				
Boston, Mass.	3	10	3	14
Bridgeport, Conn.	1	3	4	7
Cambridge, Mass.	-	-	-	-
Fall River, Mass.	1	-	2	1
Hartford, Conn.	-	1	1	1
Lowell, Mass.	2	5	3	4
Lynn, Mass.	1	1	2	1
New Bedford, Mass.	-	1	2	2
New Haven, Conn.	-	1	1	-
Providence, R.I.	3	2	-	-
Somerville, Mass.	-	-	1	2
Springfield, Mass.	4	3	8	5
Waterbury, Conn.	-	-	-	-
Worcester, Mass.	6	3	5	6
MIDDLE ATLANTIC:				
Albany, N.Y.	-	2	2	-
Allentown, Pa.	1	1	1	2
Buffalo, N.Y.	5	2	4	2
Camden, N.J.	1	3	1	1
Elizabeth, N.J.	-	1	-	-
Erie, Pa.	1	2	-	4
Jersey City, N.J.	6	8	6	2
Newark, N.J.	5	5	4	9
New York City, N.Y.	68	65	60	71
Paterson, N.J.	2	4	-	2
Philadelphia, Pa.	9	10	5	12
Pittsburgh, Pa.	1	3	8	3
Reading, Pa.	5	2	4	3
Rochester, N.Y.	8	7	7	5
Schenectady, N.Y.	-	1	3	-
Scranton, Pa.	1	2	1	-
Syracuse, N.Y.	6	1	2	3
Trenton, N.J.	-	2	1	3
Utica, N.Y.	2	3	-	1
Yonkers, N.Y.	2	3	2	2
EAST NORTH CENTRAL:				
Akron, Ohio.	1	-	1	1
Canton, Ohio.	2	4	3	3
Chicago, Ill.	38	34	27	29
Cincinnati, Ohio.	4	4	3	7
Cleveland, Ohio.	3	3	-	4*
Columbus, Ohio.	2	2	3	2
Dayton, Ohio.	2	4	-	-
Detroit, Mich.	15	13	9	8
Evansville, Ind.	1	1	2	4
Flint, Mich.	1	4	1	5
Fort Wayne, Ind.	1	3	1	3
Gary, Ind.	1	3	2	-
Grand Rapids, Mich.	5	2	-	5
Indianapolis, Ind.	6	2	3	3
Madison, Wis.	-	-	-	-
Milwaukee, Wis.	4	2	4	4
Peoria, Ill.	1	-	2	-
Rockford, Ill.	2	3	2	2
South Bend, Ind.	1	2	2	6
Toledo, Ohio.	4	2	1	4
Youngstown, Ohio.	-	-	2	1
WEST NORTH CENTRAL:				
Des Moines, Iowa.	7	1	1	5
Duluth, Minn.	-	-	-	-
Kansas City, Kans.	3	4	3	3*
Kansas City, Mo.	8	4	6	4
Lincoln, Nebr.	-	1	3	-
Minneapolis, Minn.	4	2	-	5
Omaha, Nebr.	2	1	3	1
St. Louis, Mo.	6	7	6	5
St. Paul, Minn.	3	2	1	3
Wichita, Kans.	5	5	5	3
SOUTH ATLANTIC:				
Atlanta, Ga.	4	4	3	4
Baltimore, Md.	3	2	6	4
Charlotte, N.C.	1	2	-	-
Jacksonville, Fla.	1	1	-	3
Miami, Fla.	-	-	-	-
Norfolk, Va.	9	3	1	2
Richmond, Va.	3	3	3	1
Savannah, Ga.	3	3	3	2
St. Petersburg, Fla.	4	4	7	5
Tampa, Fla.	4	5	6	8
Washington, D.C.	13	8	1	7
Wilmington, Del.	1	1	1	5
EAST SOUTH CENTRAL:				
Birmingham, Ala.	2	1	4	1
Chattanooga, Tenn.	5	4	4	5
Knoxville, Tenn.	-	6	1	1
Louisville, Ky.	11	10	7	7
Memphis, Tenn.	4	6	1	2
Mobile, Ala.	-	-	1	1
Montgomery, Ala.	1	2	2	5
Nashville, Tenn.	5	4	6	6
WEST SOUTH CENTRAL:				
Austin, Tex.	3	3	-	2
Baton Rouge, La.	-	1	2	-
Corpus Christi, Tex.	-	1	-	-
Dallas, Tex.	4	-	3	4
El Paso, Tex.	2	2	2	-
Fort Worth, Tex.	2	1	2	-
Houston, Tex.	3	3	5	1
Little Rock, Ark.	5	5	3	5
New Orleans, La.	3	10	4	10
Oklahoma City, Okla.	1	2	1	1
San Antonio, Tex.	8	3	5	3
Shreveport, La.	3	6	3	2
Tulsa, Okla.	7	4	-	4
MOUNTAIN:				
Albuquerque, N. Mex.	4	4	2	2
Colorado Springs, Colo.	2	2	2	1
Denver, Colo.	3	5	5	8
Ogden, Utah.	1	3	2	2
Phoenix, Ariz.	6	6	8	3
Pueblo, Colo.	1	-	2	-*
Salt Lake City, Utah.	1	1	2	-
Tucson, Ariz.	-	-	-	3
PACIFIC:				
Berkeley, Calif.	-	-	-	-
Fresno, Calif.	1	3	-	2
Glendale, Calif.	-	-	-	1
Honolulu, Hawaii.	-	-	-	-
Long Beach, Calif.	5	-	1	1
Los Angeles, Calif.	26	15	25	26
Oakland, Calif.	2	4	1	2
Pasadena, Calif.	-	-	-	1
Portland, Oreg.	5	-	6	5
Sacramento, Calif.	-	3	2	3
San Diego, Calif.	1	2	3	2
San Francisco, Calif.	4	4	3	2
San Jose, Calif.	4	9	5	2
Seattle, Wash.	3	3	3	4
Spokane, Wash.	-	1	-	2
Tacoma, Wash.	-	-	3	1
San Juan, P.R.	0	(---)	(---)	(---)

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	11,125
4(B) Pneumonia-Influenza Deaths, all ages	440
4(C) Total Deaths under 1 Year of Age	654
4(D) Total Deaths, Persons 65 years and over	6,129

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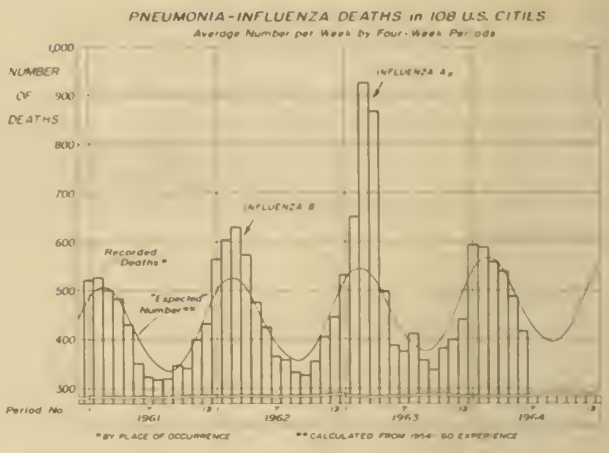
SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending May 30 was 416 as compared with an expected weekly average of 461.

Pneumonia-Influenza Deaths in 108 Cities

	Week Ending				4 Week	Weekly
	5/9	5/16	5/23	5/30	Total	Average
Observed	437	415	373	440	1,665	416
Expected	476	466	456	447	1,845	461
Excess	-39	-51	-83	-7	-180	-45



(See Table, page 191)

SMALLPOX – Argentina

Three imported cases of smallpox were reported in Bolivian visitors to Argentina. Two girls, age 8 months and 7 years, were diagnosed as cases of variola minor (alastrim) on May 11 in La Quiaca, Jujuy Province, Argentina. On May 18, a third case was diagnosed. All 3 individuals were repatriated to Bolivia. Revaccination of the population near the border is in progress.

(Reported in Weekly Epidemiological Report, Pan American Sanitary Bureau, WHO, Vol. 36, No. 22, May 27, 1964)

Immunization Information for International Travel
1963-64 edition – Public Health Service Publication No. 384

SECTION 5 – AFRICA

Rhodesia (Southern), page 30

Insert:

Smallpox – Certificate required from all travellers arriving from Northern Rhodesia and Nyasaland.

All other information remains the same.

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LAWRENCE K. ALTMAN, M.D., EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: ... DATA NOT AVAILABLE
– QUANTITY ZERO

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